

INTERNATIONAL SEARCH REPORT

national Application No
T/GB2004/004110

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F04D19/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 020 969 A (MASE MASAHIRO ET AL) 4 June 1991 (1991-06-04) the whole document figure 11	1-59
A	EP 0 959 253 A (BOC GROUP PLC) 24 November 1999 (1999-11-24) the whole document	1-59

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

6 January 2005

Date of mailing of the international search report

17/01/2005

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Information on patent family members

national Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5020969	A	04-06-1991	JP 2264196 A	26-10-1990
			JP 2585420 B2	26-02-1997
			JP 2091499 A	30-03-1990
			JP 2557495 B2	27-11-1996
			DE 3932228 A1	05-04-1990
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			JP 11351190 A	21-12-1999
			US 6135709 A	24-10-2000